Subject: curvefit question
Posted by Mike Barker on Wed, 11 Jul 2001 22:25:27 GMT
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Hello,

I would like to fit the following function:

y = m2*(x - x0) + m1*x0 + b1

where m2 is the ONLY parameter to be fitted and m1, b1, x0 are variables (I DO NOT want to fit them). I'm having trouble figuring out how to do this with curvefit (or any of the other built-in routines). Curvefit won't let me pass m1, b1, and x0 as parameters. I tried using a common block to store the variables but I still have to compile the function before I declare the common block. If anyone could help I would be forever grateful.

Sincerely,
Mike

Subject: Re: CURVEFIT question
Posted by elias on Wed, 31 Aug 2005 11:19:15 GMT
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OK, problem solved. Somebody had put his modified version of CURVEFIT in the primary folder, without changing the name of the routine...

Subject: Re: CurveFit question
Posted by Craig Markwardt on Wed, 05 Oct 2005 02:29:22 GMT
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"ChiChiRuiz@gmail.com" <ChiChiRuiz@gmail.com> writes:
> I'm using Curvefit function to fit a set of data points to a Gaussian
> curve. One of the arguments of CURVEFIT is "weights". I'm not really
> clear as to what it is, and what the value should be in my case. Any
> advise?

It depends on what kind of statistics you have. Here are common values of weights:

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;               1D/ERR^2 - Normal weighting (ERR is the measurement error)
;               1D/Y     - Poisson weighting (counting statistics)
;               1D       - Unweighted
```

Craig

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Craig B. Markwardt, Ph.D. EMAIL: craigmnet@REMOVEcow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
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